

**Abstract**

The unbalance measuring device comprises a spindle unit (7) with a spindle holder (29) and with a spindle (11) mounted on the spindle holder (29) rotatably about an axis of rotation (9) and carrying at one of its two ends a coupling for fastening the article to be measured. The spindle unit (7) is combined together with an electric motor (5) for driving the spindle (11) into a first preassembled subassembly. The spindle holder is itself fastened releasably to a machine base (1) by means of a holder suspension (49), the holder suspension (49) itself being combined into a preassembled subassembly together with a sensor arrangement (61) measuring the unbalance forces during operation. For the releasable fastening of the two subassemblies to one another, connecting elements assigned in an indexed manner, for example a dovetail connection (77), are provided. Since the two subassemblies are preassembled, they can be exchanged on site in the event of a repair, without complicated adjustment measures being required.

Fig. 2

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